

FIG.2

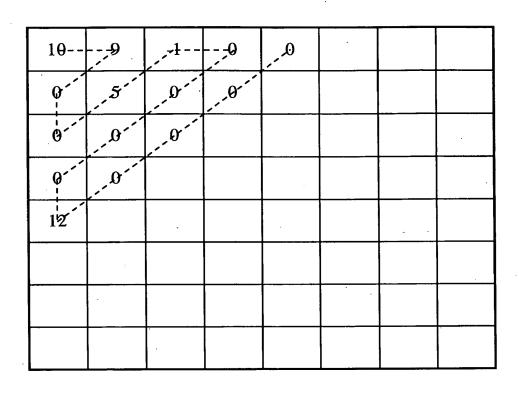


FIG.3

ZERO-RUN NUMBER	LEVEL VALUE	NUMBER OF (ZERO-RUN + LEVEL)'S
.0	10	4
3	5	. 10
0	-1	
4	12	

	ER=0)	3ER=1)	ER=2)			-	VLC LENGTH	VLC LENGTH			VLC LENGTH	VLC LENGTH	•••	_	VLC LENGTH	VLC LENGTH	
DATA CONTENT	address0 (ZERO-RUN NUMBER=0)	address1 (ZERO-RUN NUMBER=1)	address2 (ZERO-RUN NUMBER=2)	•••	•••	1	VLC OF (Run, ILevell)=(0, 1)	VLC OF (Run, Level)=(0, 2)	•••	-	VLC OF (Run, Level)=(1, 1)	VLC OF(Run, Level)=(1, 2)	::		VLC OF (Run, Level)=(2, 1)	VLC OF (Run, Level)=(2, 2)	•••
ADDRESS	0000	1000	7000	:	.	address0	address0+1	address0+2	:	address1	address1+1	address1+2	:	address2	address2+1	address2+2	:

FIG.5

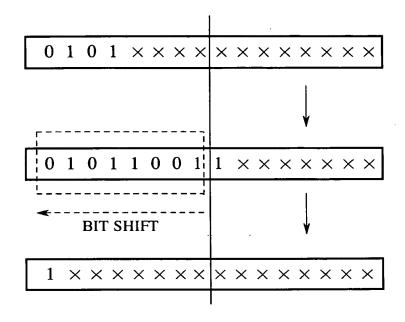
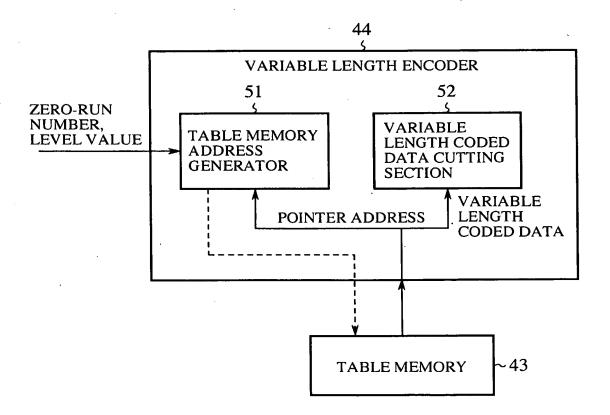


FIG.7



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									1				1			\neg		. 4	4	
							1	VLC LENGTH	VLC LENGTH	::	1	VLC LENGTH	VLC LENGTH	:	1	VLC LENGTH	VLC LENGTH	:	n BITS	
DATA CONTENT	address0 (ZERO-RUN NUMBER=0)	address1 (ZERO-RUN NUMBER=1)	address2 (ZERO-RUN NUMBER=2)	::	::		VLC OF (Run, Levell)=(0, 1)	VLC OF (Run, Levell)=(0, 2)			VLC OF (Run, Levell)=(1, 1)	VLC OF (Run, Levell)=(1, 2)			VLC OF (Run, ILevell)=(2, 1)	VLC OF (Run, Levell)=(2, 2)	:	m BITS	L BITS (L=m+n)	
							VLC OF (Run,	VLC OF (Run,	:		VLC OF (Run,	VLC OF (Run,			VLC OF (Run,	VLC OF (Run	:		•	
ADDRESS	0000	0001	0000	:	:	address0	address0+1	address0+2	:	address1	address1+1	address1+2	:	address2	address2+1	address2+2	:			

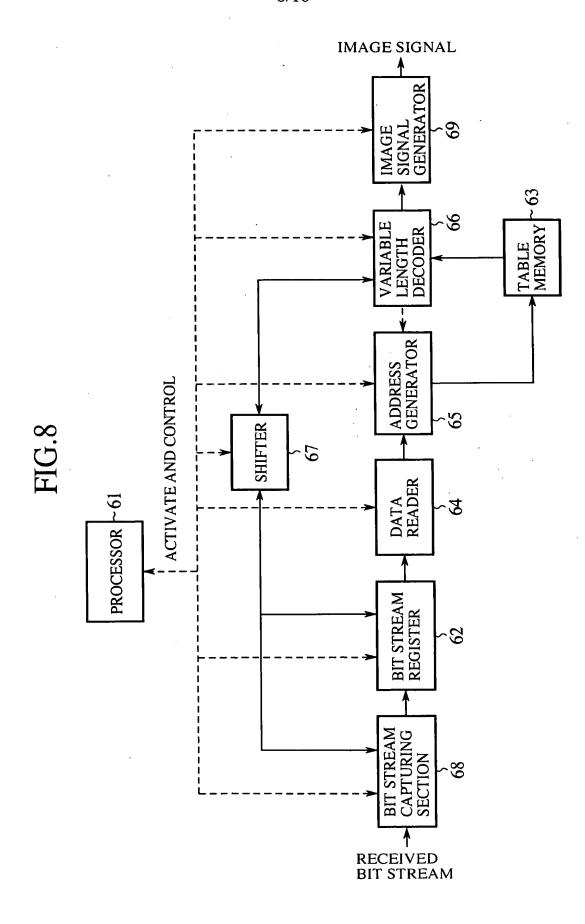


FIG.9

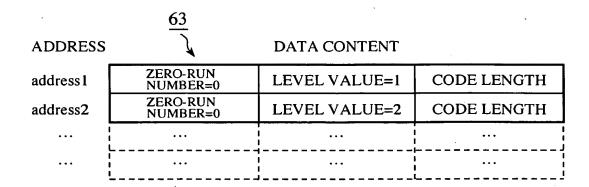


FIG.10

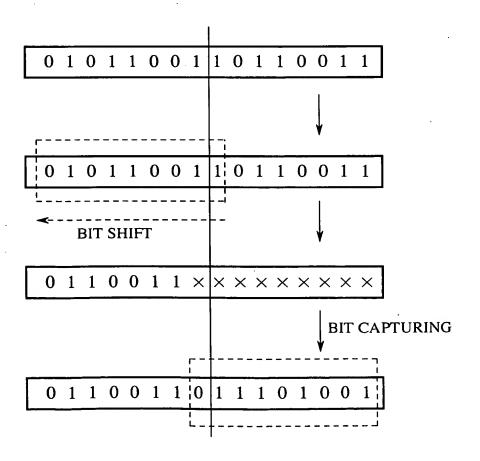


FIG.11A

ADDRESS		DATA CONTENT	
address1	ZERO-RUN NUMBER=0	LEVEL VALUE=1	CODE LENGTH
address2	ZERO-RUN NUMBER=0	LEVEL VALUE=2	CODE LENGTH
•••	•••	•••	

CODING SCHEME A

FIG.11B

ADDRESS		DATA CONTENT	,
address l	ZERO-RUN NUMBER=0	LEVEL VALUE=1	CODE LENGTH
address2	ZERO-RUN NUMBER=0	LEVEL VALUE=2	CODE LENGTH
• •••	•••	•••	
•••			

CODING SCHEME B

FIG.12 (PRIOR ART) 7 **INFORMATION HUFFMAN MEMORY** TO TRANSMISSION LINE SOURCE **ENCODER** MULTIPLEXER 6 **HUFFMAN TABLE GENERATOR** STOCHASTIC **CALCULATION** P(A), P(B)QUANTIZER P(C)P(D) P(E) 5 **ARITHMETIC** ARITHMETIC **CIRCUIT CIRCUIT** P(SUM) P(SUM) P1(C)=P1(D)=P1(E)=P(C)+P(D)+P(E)=P(SUM)/3

FIG.13
(PRIOR ART)

12
16
SOI
SEC

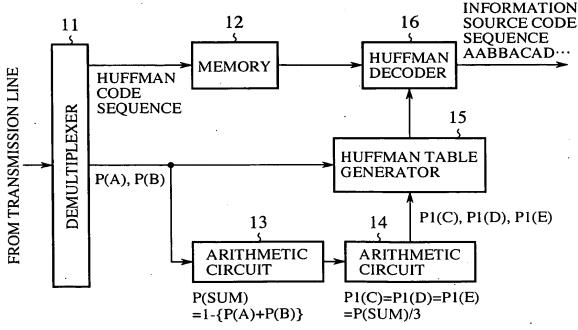


FIG.14 (PRIOR ART)

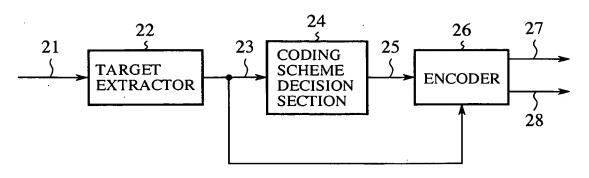


FIG.15 (PRIOR ART) <u>26</u> 35 31 -FIRST ENCODER 32 SECOND ENCODER **ENCODER SELECTOR** 27 33 25 د 28 THIRD ENCODER 34 nTH ENCODER 23